

Title (en)

Electrical connector assembly for vehicular steering wheel.

Title (de)

Elektrische Verbindereinrichtung für ein Fahrzeuglenkrad.

Title (fr)

Dispositif de connexion électrique pour volant de véhicule.

Publication

EP 0363141 A2 19900411 (EN)

Application

EP 89310083 A 19891003

Priority

US 25230888 A 19881003

Abstract (en)

The assembly (10) comprises a steering column cassette (12) and an opposed mateable steering wheel cassette (14). Concentric recesses (22-30, 82-90) (see also Fig. 2) are formed in the mating faces (20, 80) of the cassettes. The opposed mating surfaces are further defined by discrete concentric conductive portions (32-40, 92-100) formed on the cassettes (12, 14). Resilient electrically conductive wave washers (122-130) are resiliently engaged between the cassettes (12, 14) to make redundant electrical contact with the opposed concentric contact portions (32-40 and 92-100) of each cassette. The cassettes (12, 14) are appropriately configured at their peripheries for environmental sealing. Instead of wave washers, resilient spheres (140) (see Fig. 3) may be used, guided in a guide disk (142) the recesses being concavely curved rather than flat bottomed in this case.

IPC 1-7

H01R 35/02

IPC 8 full level

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CPC (source: EP US)

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